

Appl. No. 10/787,062
Amdt. Dated July 5, 2007
Reply to Office Action of April 5, 2007

Attorney Docket No. 81880.0115
Customer No. 26021

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented): An artificial knee joint which comprises a femoral component to be secured to a distal portion of a femur and a tibia component to be secured to a proximal portion of a tibia, comprising a medial sliding surface and a lateral sliding surface for receiving a load of the femoral component at the tibia component, wherein the medial sliding surface is formed in a sectional shape of circular arc at the anterior and posterior side(s) in the anterior-to-posterior direction thereof, while the lateral sliding surface is formed in a sectional shape of circular arc at the anterior side and in a sectional shape of linear at the posterior side(s) in the anterior-to-posterior direction thereof, wherein the anterior side of the medial sliding surface makes a circular arc having a curvature radius R_1 at a longitudinal section and the posterior side makes a circular arc having a curvature radius R_2 , wherein $R_1 < R_2$.

2. (Currently amended): An artificial knee joint according to claim [[4]] 1, wherein a middle portion of the medial sliding surface of the tibia component is formed in a linear sectional shape in the anterior-to-posterior direction.

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3. (Currently amended): An artificial knee joint according to claim [[4]] 1, wherein the lateral sliding surface of the tibia component is formed in a sectional shape of circular arc in a direction orthogonal to the anterior-to-posterior direction thereof, and a curvature radius of the circular arc in said orthogonal direction is gradually increased from the anterior side to the posterior side in the longitudinal direction thereof.

4.-8. (Canceled)

9. (Previously presented) An artificial knee joint according to claim 1, wherein the anterior side in the lateral sliding surface makes a circular arc having a curvature R1 at a longitudinal section.